

# Petr Stepanov

UI/UX designer. Frontend and desktop developer.

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> Ph.D. graduate in physics with 5+ years of expertise in the user interface (UI) and user experience (UX) design. Strong web appl

## Summary of Qualifications

### Work Experience

#### ### C++ Software Developer

[Thomas Jefferson National Laboratory (JLab)](<https://www.jlab.org/>), Newport News, VA, USA.

📅 Jul 2020 - Current

#### ### Software Developer • Postdoctoral Researcher

[Catholic University of America (CUA)](<https://www.catholic.edu/index.html>), Washington, DC, USA.

📅 Jul 2020 - Current

#### ### Software Developer • Research Assistant

[Bowling Green State University (BGSU)](<https://www.bgsu.edu/>), Bowling Green, OH, USA.

📅 Aug 2014 - May 2020

- \* Wrote three desktop GUI programs for spectra fitting and interpretation (C++, CMake, ROOT, Qt, Java)
  - \* GitHub repositories contain over 10k lines of code in total: [TLIST Processor](<https://github.com/petrstepanov/tlist>)
  - \* Extended default ROOT GUI library (Qt-based) to support the MVP design pattern.

#### ### UI/UX Designer, Frontend Developer • Freelance

📅 Sep 2012 - Current

- \* Designed and built an online e-commerce store [Sticker Store LLC](<https://bimmersticker.store/>) with a static website generator (Fig
  - \* Improved the Google PageSpeed Insights metrics (CLS, LCP) up to 97%.
    - \* Created a recursive script to export over 300 products from YAML file to Google Merchant.
    - \* Optimized SEO. The project reached over 1400 organic monthly users.
  - \* Made iOS application (Swift, UIKit, storyboards) for the [We.Team](<https://we.team/en/>) messenger (more than 3k mont
- \* Migrated the landing page for [Sweetbridge](<https://sweetbridge.com/>) company from WordPress to Jekyll static site gener
- \* Developed the front-end part (Angular.js, HTML, LESS) for [Lili Social](<https://myli.li/>) network.
  - \* Assisted with iOS mobile application (Ionic).
    - \* Enabled SEO crawling of over 1000 Angular.js pages with Google bot.
  - \* Web design.
  - \* Designed logos, UI/UX prototypes (Figma, Sketch, Illustrator) and branding identity for over [10 different companies
    - \* Converted numerous design assets and mockups into responsive HTML and CSS.
    - \* Mocked up and integrated dozens of cross-browser responsive email templates.

#### ### Web Designer, Full Stack Web Developer

[Gridnine Systems](<https://gridnine.com/>), Moscow, Russia.

📅 Apr 2011 - Aug 2014

- \* Prototyped and designed interactive mockups for [Otixo](<https://we.team/en/>) cloud file integrator (Balsamiq, Adobe Creative Suite).
  - \* Responsible for the front-end development of the [ATH American Express](<https://www.ath.ru/english/>) – the largest trave
  - \* Implemented image processing servlets on the backend to generate banners for five different social networks (PHP, ImageM
  - \* Wireframed and sliced to web pages numerous UI/UX mockups for web applications (Balsamiq, Photoshop, HTML and CSS).

#### ### Computer Science Teacher

[Phys-Tech College at MIPT](<https://mipt.ru/english/>), Moscow, Russia.

📅 Oct 2009 - May 2011

- \* Provided instructions and guidance to high school students on following computer courses: C/C++ programming, HTML, Adobe Photoshop a

#### ### Research Scientist

[Institute for Theoretical and Experimental Physics (ITEP)](<https://en.wikipedia.org/wiki/ITEP>), Moscow, Russia.

📅 Sep 2008 - Apr 2011

- \* Application of positron lifetime spectroscopy for studying the radioactive-induced defects in steels. Monte-Carlo particle simulatio

## Computer Science Skills

- **Essentials.** Git, SVN, SSH, Linux, and Terminal usage. BASH scripting. IDEs: Eclipse, Xcode, Visual Studio Code (VS Code).
- **Project management.** JIRA, Trello, GitHub, GitLab.
- **Desktop app development.** C/C++, GNU make, CMake. Frameworks: Qt, CERN ROOT, Geant4. Java and Swing. Python.

- **Frontend:** HTML, CSS (LESS and SASS), Bootstrap, responsive web design, JavaScript and jQuery, npm, gulp, AngularJS, React.js. Google Web Toolkit. PHP and WordPress themes development.
  - **Backend.** Node.js, Express.js (EJS), Java.
  - **UI/UX design.** Figma, Sketch, InVision Studio, Adobe XD, Adobe Photoshop, Adobe Illustrator, Inkscape, Balsamiq, Blender.
  - **Apple iOS.** Fundamental Swift skills. User interface development with UIKit and storyboards.

## Education

### Bowling Green State University (BGSU) • Ohio, USA

📅 Aug 2014 – May 2020

Ph.D. in Photochemical Sciences • GPA 3.423. Novel developments in positron annihilation spectroscopy techniques—from experimental set

### British Higher School of Art and Design (BHSAD) • Moscow, Russia

📅 Dec 2011 – Feb 2012

Three-month intensive in Graphical Design and Visual Communications. Lectures and hands-on experience in graphic design and user inter

## Professional Networks

- Discover my professional contacts [on LinkedIn](#) (200+ connections).
  - Find examples of my code [on GitHub](#) (50+ repositories).
  - Check out my UI design portfolio [on Dribbble](#) (50+ shots).

## Interests

Linux and open-source software. Hosting an [open-source project](#) for keyboard remapping on Linux (300 stars on GitHub).